

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



24 SEP 2004



(43) International Publication Date  
2 October 2003 (02.10.2003)

PCT

(10) International Publication Number  
WO 2003/080915 A3

(51) International Patent Classification<sup>7</sup>: D06F 37/04, 58/04

(21) International Application Number:  
PCT/TR2003/000028

(22) International Filing Date: 25 March 2003 (25.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2002/00808 26 March 2002 (26.03.2002) TR

(71) Applicant (for all designated States except US): ARCE-  
LIK A.S [TR/TR]; E5 Ankara Asfaltı üzeri, Tuzla, 34950  
Istanbul, Turkey (TR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ÖZTÜRK, Umut,  
Esat [TR/TR]; c/o Arçelik A. ., E5 Ankara Asfaltı üzeri, Tu-  
zla, 81719 Istanbul (TR). YILDIRIM, İbrahim [TR/TR];  
E5 Ankara Asfaltı üzeri, Arçelik Anonim Şirketi, 34950 Is-  
tambul (TR).

(74) Agent: ANKARA PATENT BUREAU LIMITED;  
Kavaklıdere, Bestekar Sokak No. 10, 06680 Ankara (TR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,  
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

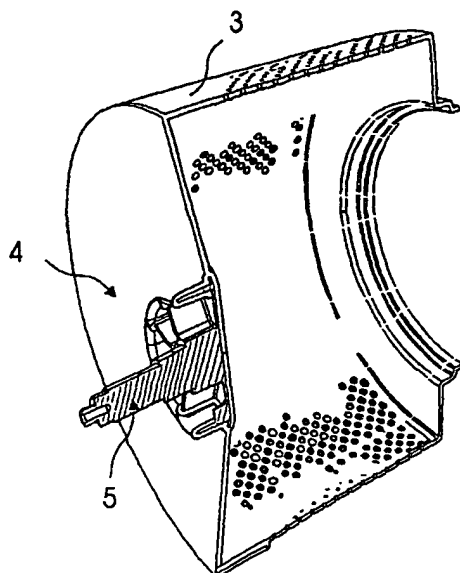
Published:

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
18 March 2004

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: A DRUM



(57) Abstract: This invention is related to a drum (3), preferably  
made of plastic and used in washing/drying machines preferably  
washing machines into which the laundry to be washed is placed  
and washing by rotating around its central axis with a motor, com-  
prising a torque transmitter (4), embedded fully or partly into the  
rear wall of the drum (3) and by the help of its rear wall and trans-  
mits the motor driven power to the whole drum (3).

WO 2003/080915 A3

# INTERNATIONAL SEARCH REPORT

International Patent No.  
PCT/TR 03/00028

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 D06F37/04 D06F58/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 D06F B29C F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 22 25 780 A (ZANUSSI A SPA INDUSTRIE) 7 December 1972 (1972-12-07) the whole document	1-3,10
X	DE 12 36 457 B (HANNING ROBERT) 16 March 1967 (1967-03-16) the whole document	1,3,9
X	DE 18 98 919 U (NORBERT WEISNER) 20 August 1964 (1964-08-20) page 2, paragraph 4 -page 3, paragraph 1 page 6, paragraph 2; claims 1,3,4; figure 2	1,10
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

30 January 2004

Date of mailing of the international search report

06/02/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Ureta, R

## INTERNATIONAL SEARCH REPORT

International :ation No.

PCT/TR 03/00028

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 03 097919 A (BAYRAM BERTAN ;KORKUT AVCI (TR); YAVUZ NIHAT (TR); ARCELIK AS (TR)) 27 November 2003 (2003-11-27) page 5, paragraph 2 page 6, paragraph 6 -page 7, line 8; figures 3B-5A,6A,6B -----	1-6,10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Publication No.

PCT/TR 03/00028

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 2225780	A	07-12-1972	DE 2225780 A1	07-12-1972
			FR 2140037 A3	12-01-1973
DE 1236457	B	16-03-1967	NONE	
DE 1898919	U		NONE	
WO 03097919	A	27-11-2003	WO 03097919 A1	27-11-2003